***Python assignment***

**Name: M.Prathyusha Reddy**

**Reg No: 321910302057**

**1. Write a python program to design simple calculator for the operators**

**+(addition)**

**-(substraction)**

**\*(multiplication)**

**/(division)**

**%(modulus)**

**\*\*(exponent)**

**//(floor division)**

**a**=7

b=4

c=a+b

d=a-b

e=a\*b

f=a/b

g=a%b

h=a\*\*b

i=a//b

print("addition of two numbers is:",c)

print("substraction of two numbers is:",d)

print("multiplication of two numbers is:",e)

print("division of two numbers is:",f)

print("modulus of two numbers is:",g)

print("exponent of two numbers is:",h)

print("floor division of two numbers is:",i)

**output:**

addition of two numbers is: 11

substraction of two numbers is: 3

multiplication of two numbers is: 28

division of two numbers is: 1.75

modulus of two numbers is: 3

exponent of two numbers is: 2401

floor division of two numbers is: 1

**2. Write a python program to calculate simple intrest**

p=2

t=9

r=1

si=p\*t\*r/100

print(si)

**output:**

0.18

**3. Write a python program to calculate area of a circle**

pi=3.14

r=2

area=pi\*r\*r

print(area)

**output:**

19.26

**4. Write a python program to calculate area of triangle**

b=8

h=4

area=1/2\*b\*h

print(area)

**output:**

16.0

**5. Write a python program to convert temperature in Celsius to Fahrenheit**

celsius=34

t=(Celsius\*1.8)+32

print(“temperature in Fahrenheit:”,t)

**output:**

temperature in Fahrenheit:93.2

**6. Write a python program to calculate area of rectangle**

l=float(input(“enter the length of the rectangle:”))

b=float(input(“enter the breadth of the rectangle:”))

area=l\*b

print(“area of rectangle:”,area)

**output:**

l=6

b=6

area of rectangle :12

**7. Write a python program to calculate perimeter of a square**

a=21

p=4\*a

print(“perimeter of a square is:”,p)

**Output:**

Perimeter of a square is:84

**8. Write a python program to calculate circumference of a circle**

pi=3.14

r=2

circumference=2\*3.14\*r

print(circumference)

**output:**

12.56

**9. Write a python program to swap two numbers**

a=5

b=3

temp=a

a=b

b=temp

print(a)

print(b)

**output:**

3

5